

Converting Colors

XYZ(35.8031, 37.7371, 86.2950)

Have a look what the booklet for
XYZ(35.8031, 37.7371, 86.2950)
contains.

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Color

**XYZ(35.8049, 37.7371,
86.2858)**

Conversions

Conversions Part 1

Format	Color
Hex	6CA9EE
RGB	108, 169, 238
RGB Percent	42%, 66%, 93%
CMY	0.5764, 0.3372, 0.0667
CMYK	0.55, 0.29, 0.00, 0.07
HSL	212°, 79%, 68%
HSV	212°, 55%, 93%
XYZ	35.8049, 37.7371, 86.2858
YIQ	158.6270, -58.5050, 8.5270

Conversions

Conversions Part 2

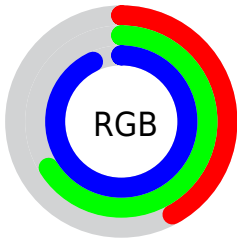
Format	Color
R _Y B	108, 150, 238
Decimal	7121390
CIE Lab	67.83, -0.21, -40.55
CIE LCh	68, 40.551, 269.701
Yxy	37.7371, 0.2240, 0.2361
Android (android.graphics.Color)	4285311470 (0xFF6CA9EE)
YUV	158.6270, 39.1309, -44.3999
Hunter-Lab	61.4305, -3.4644, -40.2778

Details

The XYZ color **35.8049, 37.7371, 86.2858** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.6904, 50.7063, 21.1466**, and the grayscale version is **32.6321, 34.3315, 37.3870**.

A 20% lighter version of the original color is **60.6420, 68.7468, 104.6810**, and **15.8010, 16.6136, 46.6299** is the 20% darker color. If you saturate the color by 10%, you get **31.0580, 31.9687, 85.4233**, and if you desaturate by 10%, it is **41.5715, 44.3696, 87.2628**.

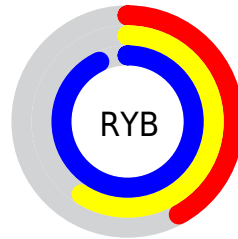
Distribution



Red (42%)

Green (66%)

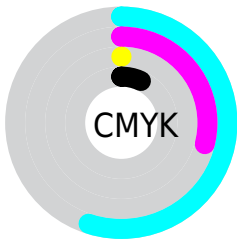
Blue (93%)



Red (42%)

Yellow (59%)

Blue (93%)

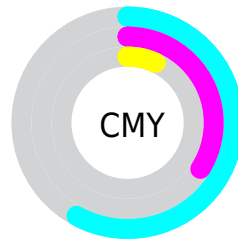


Cyan (55%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (58%)

Magenta (34%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8049, 37.7371, 86.2858 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 35.8049, 37.7371, 86.2858 by changing the saturation by 10% instead.

■ 35.8049, 37.7371,
86.2858

■ 35.8049, 37.7371,
86.2858

319.5531,
336.4909, 536.1283

■ 24.4530, 25.7787,
64.3481

■ 68.0567, 71.7050,
144.0583

■ 15.7965, 16.6582,
46.4847

■ 89.6872, 94.4833,
180.7302

■ 9.4702, 9.9911,
32.2770

■ 115.4747,
121.6370, 223.1506

■ 5.1087, 5.3930,
21.3066

145.7844,
153.5506, 271.7379

■ 2.3466, 2.4797,
13.1549

180.9818,
190.6083, 326.9108

■ 0.8183, 0.8664,
7.4033

221.4321,

■ 0.0000, 0.0000,

233.1947, 389.0878

3.6333

267.5008,
281.6941, 458.6875

■ 0.0000, 0.0000,
1.4264

■ 0.0000, 0.0000,
0.1622

■ 35.8049, 37.7371,
86.2858

■ 35.8049, 37.7371,
86.2858

■ 31.0580, 31.9687,
85.4233

■ 41.5715, 44.3696,
87.2628

■ 27.2543, 27.0134,
84.6673

■ 48.4184, 51.9046,
88.3563

■ 24.3120, 22.8199,
84.0130

■ 56.4059, 60.3826,
89.5718

■ 22.1300, 19.3255,
83.4535

■ 65.5884, 69.8401,
90.9133

■ 21.1911, 17.6898,
83.1873

■ 76.0166, 80.3115,
92.3848

■ 87.7382, 91.8291,
93.9902

■ 92.4328, 98.9531,
95.1178

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1137, 37.7371, 78.7687



35.8049, 37.7371, 86.2858



42.1903, 37.7371, 79.0480

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.8049, 37.7371, 86.2858



47.4137, 37.7371, 26.2250



26.4189, 37.7371, 25.9935

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.8049, 37.7371, 86.2858



53.6904, 50.7063, 21.1466

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.2111, 37.7371, 17.7740



35.8049, 37.7371, 86.2858



42.3122, 37.7371, 17.8776

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.8049, 37.7371, 86.2858



49.3502, 37.7371, 41.2703



35.9311, 37.7371, 15.3001



25.0964, 37.7371, 40.9088

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8049, 37.7371, 86.2858



45.8892, 37.7371, 67.7638



35.9311, 37.7371, 15.3001



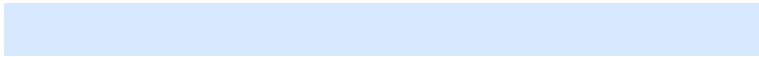
27.4235, 37.7371, 22.5336

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.8063, 37.7384, 86.2867



75.0764, 80.0192, 106.0960



44.5145, 67.4400, 51.3162



15.5785, 16.6252, 22.6379



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8063, 37.7384, 86.2867



35.5288, 36.3844, 99.7581



27.2479, 20.2256, 83.3575



15.5088, 16.4517, 20.0797



11.9495, 10.1233, 46.4521



1.0929, 1.0397, 3.8973

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.7851, 31.7684, 41.1506



51.4766, 30.7690, 39.1437



67.8190, 80.0370, 26.0633



16.0815, 15.8823, 17.9854



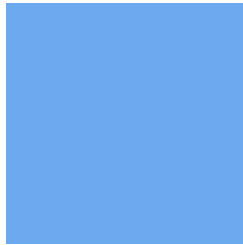
21.3572, 10.8153, 9.7975



1.8266, 0.9197, 1.0776

Previews

White Background



This preview shows how the XYZ color 35.8049, 37.7371, 86.2858 looks on a white background.

Color Contrast Check

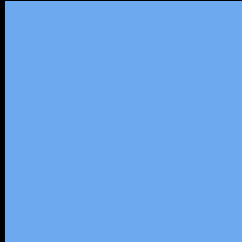
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.8049, 37.7371, 86.2858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

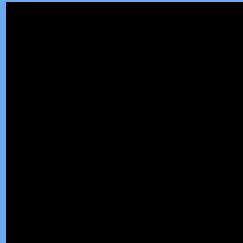
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

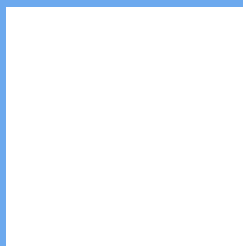
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8049, 37.7371, 86.2858

Background



This preview shows how black text looks on a background with the XYZ color 35.8049, 37.7371, 86.2858.



This preview shows how white text looks on a background with the XYZ color 35.8049, 37.7371,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

35.8049, 37.7371, 86.2858

Protanopia

38.8135, 37.5065, 81.5377

Deuteranopia

38.5087, 37.4947, 86.8689



Tritanopia

29.7492, 37.8707, 55.6110

Trichromacy



Original Color

35.8049, 37.7371, 86.2858

Protanomaly

37.5123, 37.5966, 83.1217

Deuteranomaly

37.4926, 37.5022, 86.9239

Tritanomaly

31.7684, 37.8048, 65.9443

Monochromacy



Original Color

35.8049, 37.7371, 86.2858

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.9895, 35.4007, 52.6712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8049, 37.7371, 86.2858 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(108, 169, 238)` looks like.

```
.text, #text, p{  
    color:rgb(108, 169, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(108, 169, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 169, 238) }
```

Border

The CSS property to change the border of an element to XYZ 35.8049, 37.7371, 86.2858 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 169, 238) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(108, 169, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(108, 169, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 169, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 169, 238);  
box-shadow:4px 4px 4px 4px rgb(108, 169,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8049, 37.7371, 86.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 169, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(108,  
169, 238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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